

Appendix A
Public Notification that a potential event was occurring
(40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

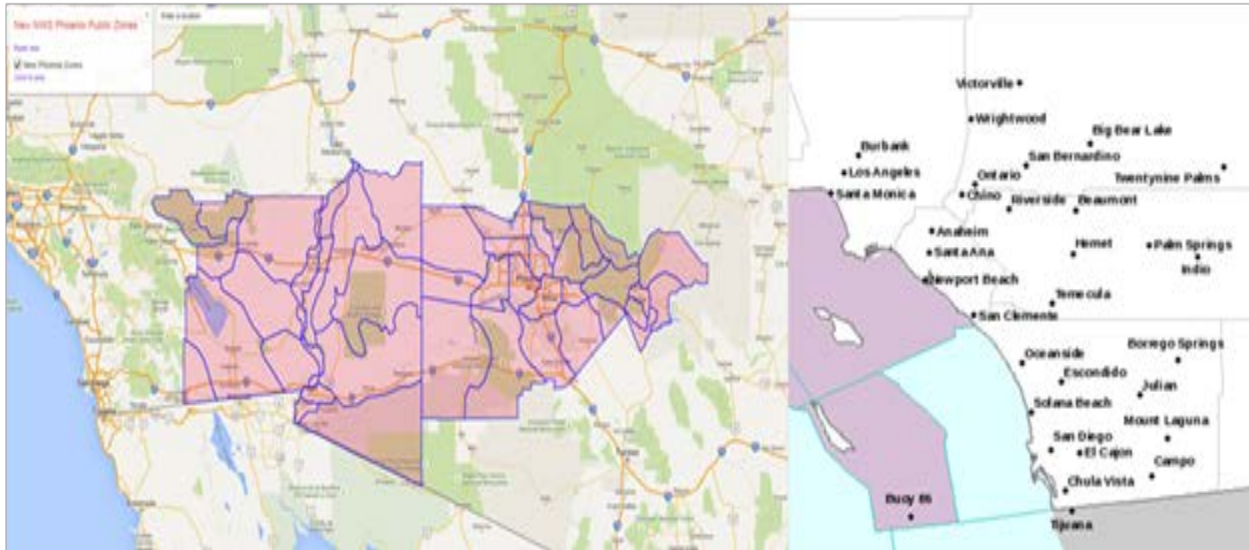


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE A-2
WEATHER STORY FOR APRIL 13, 2016 AND APRIL 14, 2016



Fig A-2: A Weather Story issued on April 13, 2016 by the NWS San Diego office forecasted that an approaching low would generate strong west winds with powerful gusts over a wide area. Source: NWS Phoenix office

FIGURE A-3 WIND ADVISORY IN EFFECT FOR IMPERIAL COUNTY

Wind Advisory

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE PHOENIX AZ

522 PM MST WED APR 13 2016

CAZ030-032-033-141200-

/O.NEW.KPSR.WI.Y.0006.160415T1200Z-160416T0500Z/

JOSHUA TREE NATIONAL PARK-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-

INCLUDING THE CITIES OF...COTTONWOOD VISITOR CENTER...KEYS VIEW...

LOST HORSE...CHIRIACO SUMMIT...DESERT CENTER...EAGLE MOUNTAIN...

BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...

THE SALTON SEA

522 PM PDT WED APR 13 2016

...WIND ADVISORY IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY.

* AFFECTED AREA...SOUTHEAST CALIFORNIA...INCLUDING JOSHUA TREE
NATIONAL PARK AS WELL AS INTERSTATE 8 AND 10 THROUGH THE
CITIES OF EL CENTRO AND BLYTHE.

* TIMING...FRIDAY MORNING THROUGH FRIDAY EVENING WITH THE STRONGEST
WINDS DURING THE AFTERNOON HOURS.

* WINDS...NORTHWEST WINDS 30-40MPH WITH GUSTS TO 50 MPH.

* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS
AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND
SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER
EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA

Fig A-3: A Wind Advisory for Imperial County was issued on April 13, 2016 in anticipation of the strong winds. Although Imperial County received high winds, they were more WSW than NW. Source: Iowa Environmental Mesonet;
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201604140022>

FIGURE A-4 WIND ADVISORY FOR SOUTHWESTERN ARIZONA

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866
MMUS75 KPSR 140022
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
522 PM MST WED APR 13 2016

CAZ030-032-033-141200-
/O.NEM.KPSR.WI.Y.0006.160415T1200Z-160416T0500Z/
JOSHUA TREE NATIONAL PARK-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...COTTONWOOD VISITOR CENTER...KEYS VIEW...
LOST HORSE...CHIRIACO SUMMIT...DESERT CENTER...EAGLE MOUNTAIN...
BRAMLEY...CALEXICO...EL CENTRO...GLAMIS...IMPERIAL...
THE SALTON SEA
522 PM PDT WED APR 13 2016

...WIND ADVISORY IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY.

* AFFECTED AREA...SOUTHEAST CALIFORNIA...INCLUDING JOSHUA TREE
NATIONAL PARK AS WELL AS INTERSTATE 8 AND 10 THROUGH THE
CITIES OF EL CENTRO AND BLYTHE.

* TIMING...FRIDAY MORNING THROUGH FRIDAY EVENING WITH THE STRONGEST
WINDS DURING THE AFTERNOON HOURS.

* WINDS...NORTHWEST WINDS 30-40MPH WITH GUSTS TO 50 MPH.

* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS
AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND
SAND MAY LEAD TO SIGNIFICANTLY LOWERED VISIBILITIES FURTHER
EXACERBATING DANGEROUS DRIVING CONDITIONS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
50 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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AZZ020-021-025-026-CAZ031-141200-
/O.NEM.KPSR.WI.Y.0006.160415T1800Z-160416T0500Z/
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
LOWER COLORADO RIVER VALLEY CA-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...DATELAND...TACNA...WELLTON...BLYTHE
522 PM MST WED APR 13 2016 /522 PM PDT WED APR 13 2016/

...WIND ADVISORY IN EFFECT FROM 11 AM MST /11 AM PDT/ TO 10 PM
MST /10 PM PDT/ FRIDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 11 AM MST /11 AM PDT/ TO 10 PM
MST /10 PM PDT/ FRIDAY.

* AFFECTED AREA...SOUTHWEST ARIZONA...INCLUDING AREAS ALONG
INTERSTATE 8 AND 10 AND HIGHWAY 95 AFFECTING THE CITIES OF
YUMA...QUARTZSITE...AND PARKER.

* TIMING...LATE FRIDAY MORNING THROUGH FRIDAY EVENING WITH THE
STRONGEST WINDS DURING THE AFTERNOON HOURS.

* WINDS...NORTHWEST WINDS 25-35MPH WITH GUSTS TO 45 MPH.

* IMPACTS...HAZARDOUS DRIVING CONDITIONS WITH STRONG CROSS WINDS
AFFECTING HIGH PROFILE VEHICLES. AREAS OF BLOWING DUST AND

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Fig A-4: A Wind Advisory was issued for portions of southwestern Arizona. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201604140022>

FIGURE A-5 DEEP LOW PRESSURE BRINGS WINDS

FXUS66 KSGX 141013
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
315 AM PDT THU APR 14 2016

.SYNOPSIS...

A DEEP LOW PRESSURE SYSTEM MOVING ACROSS THE GREAT BASIN WILL BRING STRONG GUSTY WINDS TODAY THROUGH SATURDAY. THE STRONGEST WINDS WILL BE IN THE MOUNTAINS AND DESERTS THIS AFTERNOON THROUGH FRIDAY. WARMER SUNDAY THROUGH EARLY NEXT WEEK WITH HIGH PRESSURE BUILDING OVER THE REGION.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

LOW CLOUDS WERE FILLING IN OVER PORTIONS OF THE COASTAL AREAS AND SAN DIEGO COUNTY VALLEYS THIS MORNING. OTHERWISE SKIES WERE MOSTLY CLEAR. CURRENT WATER VAPOR IMAGERY SHOWS A STRONG LOW PRESSURE SYSTEM BEGING TO MOVE TOWARDS THE PAC NW COAST. MODELS REMAIN IN RELATIVELY GOOD AGREEMENT BRINGING THIS LOW INLAND THROUGH THE PAC NW TODAY WITH THE TROUGH AXIS MOVING TROUGH CALIFORNIA. FLOW ALOFT AND ONSHORE SURFACE PRESSURE GRADIENTS WILL BOTH STRENGTHEN AS A RESULT. WEST WINDS WILL INCREASE THROUGH THE DAY...BECOMING QUITE STRONG THIS AFTERNOON. POTENTIALLY DAMAGING WIND GUSTS OF 50-60 MPH ARE LIKELY IN THE MOUNTAINS AND DESERTS WITH BREEZY CONDITIONS WEST OF THE MOUNTAINS AS WELL. WEST WINDS WILL PEAK TONIGHT AS A WEAK SHORT-WAVE MOVES THROUGH SOUTHERN CA AND ONSHORE GRADIENTS INCREASE FURTHER. MOUNTAIN WAVES MAY PRODUCE GUSTS AS HIGH AS 70 MPH OVER PORTIONS OF THE COACHELLA VALLEY AND ANZA BORREGO DESERT.

UPPER LEVEL FLOW TURNS TO THE NORTH ON FRIDAY AS THE UPPER LOW DIGS SOUTH INTO ARIZONA. AS A VORT MAX MOVES DOWN THE BACK SIDE OF THE LOW INTO INTERIOR SOUTHWEST CA...FLOW ALOFT INCREASES FURTHER. THIS WILL LEAD TO WIDESPREAD GUSTY NORTH WINDS ON FRIDAY...STRONGEST ALONG THE RIDGES OF THE SAN BERNARDINO MOUNTAINS AND BELOW THE MORONGO AND CAJON PASSES. STRONG NORTH TO NORTHEAST WINDS WILL CONTINUE INTO SATURDAY. SUBSIDENCE BEHIND THE DEPARTING WAVE COULD LEAD TO STRONG DOWNSLOPING AND MOUNTAIN WAVE ACTIVITY ON THE COASTAL SLOPES AND LOCALLY INTO THE VALLEYS FRIDAY NIGHT INTO SATURDAY MORNING. OFFSHORE FLOW WILL WEAKEN SUNDAY AS GRADIENTS RELAX AND THE LOW SLOWLY SHIFTS EAST.

AS FOR TEMPS...EXPECT MINOR COOLING TODAY WITH TEMPS NEAR TO SLIGHTLY BELOW NORMAL. FRIDAY TEMPS WEST OF THE MOUNTAINS WILL INCREASE DUE TO OFFSHORE FLOW...HOWEVER COLD FILTERING IN FROM THE NORTH WILL CAUSE SIGNIFICANT COOLING IN THE MOUNTAINS AND DESERTS. WARMER ON SATURDAY...ESPECIALLY WEST OF THE MOUNTAINS WHERE TEMPS WILL BE 5 TO 10 DEGREES ABOVE NORMAL. WARMING WILL CONTINUE INTO EARLY NEXT WEEK AS A WEAK RIDGE ALOFT MOVES OVER. A COOLING TREND WILL BEGIN BY MIDWEEK AS ANOTHER TROUGH APPROACHES THE WEST COAST.

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AVIATION...

140900Z...COAST/VALLEYS...STRATUS...WITH BASES AROUND 1400 FT MSL AND TOPS TO 2000 FT MSL...WILL CONTINUE ALONG THE COAST AND INTO THE WESTERN VALLEYS THRU MID MORNING. LOW VIS WITH BR/FG IS POSSIBLE IN FAR INLAND VALLEYS...ESPECIALLY NEAR KONT...KRAL AND KRNM NEAR SUNRISE. LOW CLOUDS WILL CLEAR TOWARDS THE COAST LATE THIS MORNING.

MTNS/DESERTS...GUSTY WESTERLY WINDS WILL DEVELOP LATER THIS MORNING AND CONTINUE THROUGH FRIDAY IN THE MTNS/DESERTS. SFC GUSTS 40-50

Fig A-5: A low pressure system was expected to bring gusty winds across southeastern California. Source: NWS San Diego office

FIGURE A-6 WIND ADVISORY CONTINUED FOR IMPERIAL COUNTY

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724
MMUS75 KPSR 141021
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
321 AM MST TUE APR 14 2015

AZZ020-021-025-026-CAZ030>033-150000-
/O.NEM,KPSR,WI,Y.0003.150415T0900Z-150416T0400Z/
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...DATELAND...TACNA...WELLTON...COTTONWOOD VISITOR CENTER...
KEYS VIEW...LOST HORSE...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...EAGLE MOUNTAIN...BRAWLEY...CALEXICO...EL CENTRO...
GLANTS...IMPERIAL...THE SALTON SEA
321 AM MST TUE APR 14 2015

...WIND ADVISORY IN EFFECT FROM 2 AM MST /2 AM PDT/ TO 9 PM MST
/9 PM PDT/ WEDNESDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 2 AM MST /2 AM PDT/ TO 9 PM
MST /9 PM PDT/ WEDNESDAY.

* AFFECTED AREA...SOUTHWEST ARIZONA AND SOUTHEAST
CALIFORNIA...INCLUDING EL CENTRO...BLYTHE...AND QUARTZSITE.

* TIMING...STRONG WINDS DEVELOPING EARLY WEDNESDAY MORNING...TAPERING
OFF WEDNESDAY EVENING.

* WINDS...STRONG NORTHERLY WINDS BETWEEN 25-30 MPH...WITH OCCASIONAL
GUSTS AROUND 40 MPH.

* IMPACTS...TRAVEL ALONG EAST-WEST ORIENTED ROADS SUCH AS INTERSTATE
10 MAY BE DIFFICULT AT TIMES ON WEDNESDAY. THERE IS ALSO A THREAT
OF BLOWING DUST ACROSS PORTIONS OF THE AREA DUE TO THE ELEVATED
WINDS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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Fig A-6: The wind advisory continued into April 14, 2016 for Imperial County. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201504141021>

FIGURE A-7 ZONE FORECAST FOR IMPERIAL COUNTY

JOSHUA TREE NATIONAL PARK-
INCLUDING THE CITIES OF...COTTONWOOD VISITOR CENTER...KEYS VIEW...
LOST HORSE
200 PM PDT THU APR 14 2016

...WIND ADVISORY IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY...

.TONIGHT...MOSTLY CLEAR AND WINDY. LOWS 49 TO 59. WEST WIND 10 TO 20 MPH IN THE EVENING BECOMING NORTHWEST 20 TO 30 MPH AFTER MIDNIGHT. GUSTS UP TO 40 MPH AFTER MIDNIGHT.
.FRIDAY...MOSTLY SUNNY AND WINDY. PATCHY BLOWING DUST. MUCH COOLER. HIGHS 63 TO 73. NORTHWEST WIND 25 TO 35 MPH. GUSTS UP TO 55 MPH.
.FRIDAY NIGHT...CLEAR AND WINDY. PATCHY BLOWING DUST THROUGH THE NIGHT. LOWS 47 TO 57. NORTH WIND 20 TO 35 MPH. GUSTS UP TO 50 MPH IN THE EVENING DECREASING TO 40 MPH AFTER MIDNIGHT.
.SATURDAY...SUNNY AND WINDY. PATCHY BLOWING DUST THROUGH THE DAY. HIGHS 65 TO 75. NORTH WIND 20 TO 30 MPH. GUSTS UP TO 40 MPH.
.SATURDAY NIGHT...CLEAR AND BREEZY. LOWS 51 TO 61. NORTH WIND 15 TO 25 MPH.
.SUNDAY...SUNNY...BREEZY AND WARMER. HIGHS IN THE MID 70S TO MID 80S.
.SUNDAY NIGHT...CLEAR. LOWS IN THE LOWER 50S TO LOWER 60S.
.MONDAY...SUNNY. HIGHS IN THE MID 70S TO MID 80S.
.MONDAY NIGHT...CLEAR. LOWS IN THE MID 50S TO MID 60S.
.TUESDAY...SUNNY AND WARMER. HIGHS IN THE LOWER 80S TO LOWER 90S.
.TUESDAY NIGHT...CLEAR. LOWS IN THE UPPER 50S TO UPPER 60S.
.WEDNESDAY...SUNNY. HIGHS IN THE LOWER 80S TO LOWER 90S.
.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS IN THE MID 50S TO MID 60S.
.THURSDAY...MOSTLY SUNNY. HIGHS 80 TO 90.

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CAZ032-151100-
RIVERSIDE COUNTY/EASTERN DESERTS-
INCLUDING THE CITIES OF...CHIRIACO SUMMIT...DESERT CENTER...
EAGLE MOUNTAIN
200 PM PDT THU APR 14 2016

...WIND ADVISORY IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY...

.TONIGHT...CLEAR AND WINDY. LOWS 52 TO 62. NORTHWEST WIND 15 TO 25 MPH. GUSTS UP TO 35 MPH.
.FRIDAY...SUNNY AND WINDY. PATCHY BLOWING DUST IN THE MORNING...THEN AREAS OF BLOWING DUST IN THE AFTERNOON. NOT AS WARM. HIGHS 76 TO 81. NORTHWEST WIND 20 TO 35 MPH. GUSTS UP TO 50 MPH.
.FRIDAY NIGHT...CLEAR AND WINDY. AREAS OF BLOWING DUST THROUGH THE NIGHT. LOWS 49 TO 59. NORTHWEST WIND 20 TO 30 MPH. GUSTS UP TO 45 MPH IN THE EVENING DECREASING TO 35 MPH AFTER MIDNIGHT.
.SATURDAY...SUNNY AND WINDY. AREAS OF BLOWING DUST AND A SLIGHT CHANCE OF THROUGH THE DAY. A SLIGHT CHANCE OF THROUGH THE DAY. HIGHS 78 TO 83. NORTH WIND 20 TO 30 MPH. GUSTS UP TO 40 MPH.
.SATURDAY NIGHT...CLEAR AND BREEZY. LOWS 52 TO 62. NORTH WIND 15 TO 25 MPH.
.SUNDAY...SUNNY...BREEZY AND WARMER. HIGHS IN THE MID TO UPPER 80S.
.SUNDAY NIGHT...CLEAR. LOWS IN THE LOWER 50S TO LOWER 60S.
.MONDAY...SUNNY. HIGHS IN THE MID 80S TO LOWER 90S.
.MONDAY NIGHT...CLEAR. LOWS IN THE MID 50S TO MID 60S.
.TUESDAY...SUNNY AND WARMER. HIGHS IN THE LOWER TO MID 90S.
.TUESDAY NIGHT...CLEAR. LOWS IN THE MID 50S TO MID 60S.
.WEDNESDAY...SUNNY. HIGHS IN THE MID TO UPPER 90S.
.WEDNESDAY NIGHT...CLEAR. LOWS IN THE UPPER 50S TO UPPER 60S.
.THURSDAY...MOSTLY SUNNY. HIGHS IN THE UPPER 80S TO MID 90S.

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CAZ033-151100-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...
IMPERIAL...THE SALTON SEA
200 PM PDT THU APR 14 2016

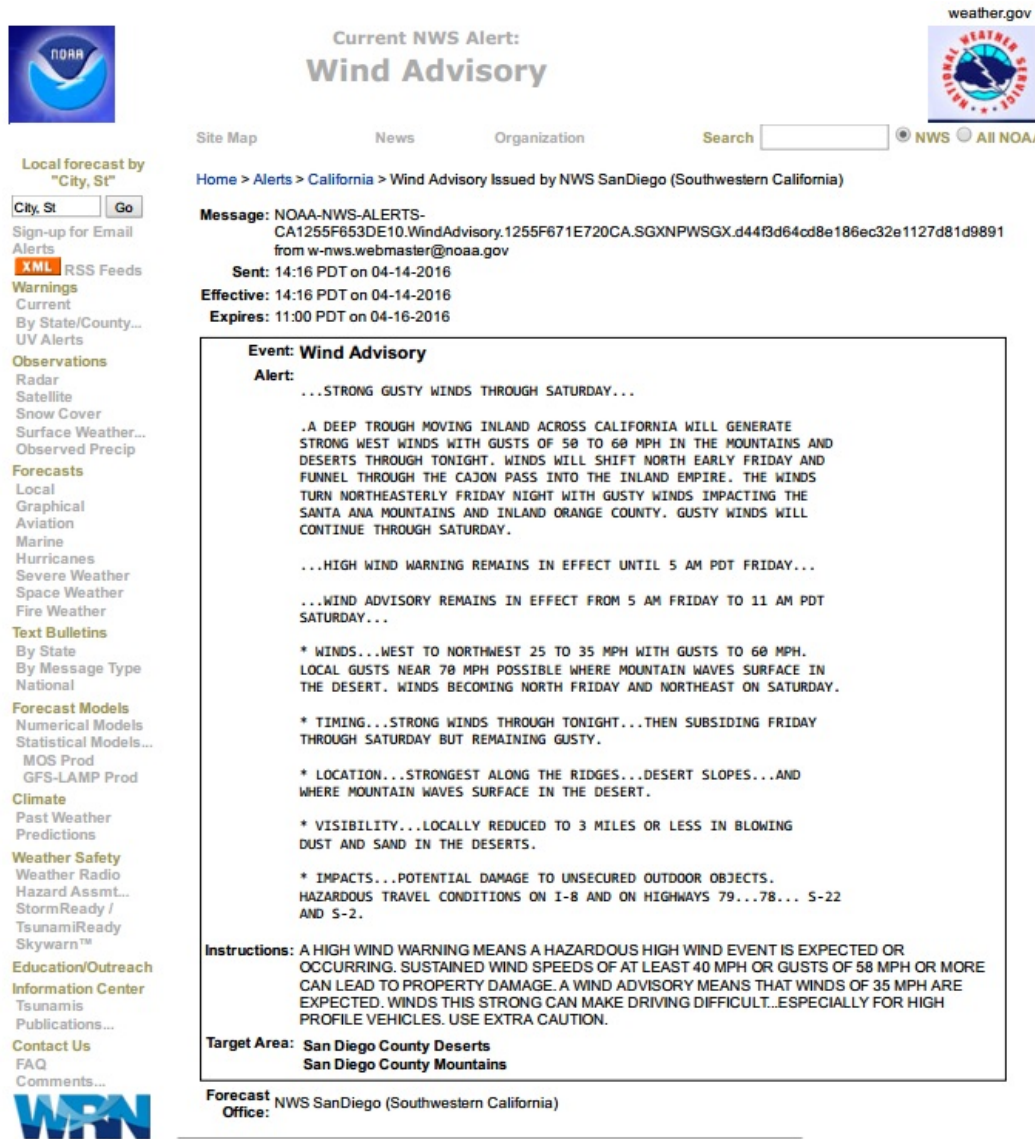
...WIND ADVISORY IN EFFECT FROM 5 AM TO 10 PM PDT FRIDAY...

.TONIGHT...CLEAR...BREEZY AND COOLER. LOWS 52 TO 62. WEST WIND 15 TO 25 MPH.
.FRIDAY...SUNNY AND WINDY. PATCHY BLOWING DUST IN THE MORNING. AREAS OF BLOWING DUST IN THE AFTERNOON. HIGHS 79 TO 84. NORTHWEST WIND 20 TO 30 MPH. GUSTS UP TO 40 MPH.
.FRIDAY NIGHT...CLEAR AND WINDY. AREAS OF BLOWING DUST. LOWS 49 TO

Fig A-7: A Zone Forecast for Imperial County on April 14, 2016 forecasted west winds up to 25 mph. Although west winds did develop, they were much stronger, reaching 30 mph.
Source: NWS Zone Forecast Product

FIGURE A-8

HIGH WIND WARNING FOR SAN DIEGO COUNTY DESERTS



The screenshot displays the NOAA National Weather Service (NWS) San Diego website. The main heading is "Current NWS Alert: Wind Advisory". The alert is for "San Diego County Deserts" and was issued at 14:16 PDT on 04-14-2016, with an expiration time of 11:00 PDT on 04-16-2016. The alert text describes strong gusty winds through Saturday, with a deep trough moving inland across California, generating strong west winds with gusts of 50 to 60 mph in the mountains and deserts. The winds will shift north early Friday and funnel through the Cajon Pass into the Inland Empire. The winds turn northeasterly Friday night with gusty winds impacting the Santa Ana Mountains and Inland Orange County. Gusty winds will continue through Saturday. The alert also mentions that the high wind warning remains in effect until 5 AM PDT Friday, and the wind advisory remains in effect from 5 AM Friday to 11 AM PDT Saturday. Key impacts include potential damage to unsecured outdoor objects, hazardous travel conditions on I-8 and on highways 79, 78, and 5-22, and reduced visibility locally to 3 miles or less in blowing dust and sand in the deserts. The target area is specified as San Diego County Deserts and San Diego County Mountains. The forecast office is NWS San Diego (Southwestern California).

Event: Wind Advisory

Alert:

...STRONG GUSTY WINDS THROUGH SATURDAY...

.A DEEP TROUGH MOVING INLAND ACROSS CALIFORNIA WILL GENERATE STRONG WEST WINDS WITH GUSTS OF 50 TO 60 MPH IN THE MOUNTAINS AND DESERTS THROUGH TONIGHT. WINDS WILL SHIFT NORTH EARLY FRIDAY AND FUNNEL THROUGH THE CAJON PASS INTO THE INLAND EMPIRE. THE WINDS TURN NORTHEASTERLY FRIDAY NIGHT WITH GUSTY WINDS IMPACTING THE SANTA ANA MOUNTAINS AND INLAND ORANGE COUNTY. GUSTY WINDS WILL CONTINUE THROUGH SATURDAY.

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 5 AM PDT FRIDAY...

...WIND ADVISORY REMAINS IN EFFECT FROM 5 AM FRIDAY TO 11 AM PDT SATURDAY...

* WINDS...WEST TO NORTHWEST 25 TO 35 MPH WITH GUSTS TO 60 MPH. LOCAL GUSTS NEAR 70 MPH POSSIBLE WHERE MOUNTAIN WAVES SURFACE IN THE DESERT. WINDS BECOMING NORTH FRIDAY AND NORTHEAST ON SATURDAY.

* TIMING...STRONG WINDS THROUGH TONIGHT...THEN SUBSIDING FRIDAY THROUGH SATURDAY BUT REMAINING GUSTY.

* LOCATION...STRONGEST ALONG THE RIDGES...DESERT SLOPES...AND WHERE MOUNTAIN WAVES SURFACE IN THE DESERT.

* VISIBILITY...LOCALLY REDUCED TO 3 MILES OR LESS IN BLOWING DUST AND SAND IN THE DESERTS.

* IMPACTS...POTENTIAL DAMAGE TO UNSECURED OUTDOOR OBJECTS. HAZARDOUS TRAVEL CONDITIONS ON I-8 AND ON HIGHWAYS 79...78... 5-22 AND 5-2.

Instructions: A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE. A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH PROFILE VEHICLES. USE EXTRA CAUTION.

Target Area: San Diego County Deserts
San Diego County Mountains

Forecast Office: NWS San Diego (Southwestern California)

Fig A-8: A High Wind Warning was issued at 14:16 on April 14, 2016 by the NWS San Diego office, warning of high winds along the desert slopes just west of Imperial County. Source: NWS San Diego office

FIGURE A-9
GUSTY WINDS FORECASTED TO GENERATE DENSE BLOWING DUST

wind and dust

Wind Advisory SE CA & SW AZ on Friday

Blowing Dust Possible Across the Desert




- Dry northwest flow aloft will lead to breezy/windy conditions on Friday and into Saturday
- North/northwest winds 25-40 mph with peak gusts approaching 50 mph at times
- Strongest winds over SE CA including Joshua Tree NP & down the lower Colorado River Valley
- Dense blowing dust possible
- Very dry conditions/low RH leads to elevated fire danger



Weather Forecast Office
Phoenix, AZ

4/14/2016 5:13 am MST

Follow Us:   

weather.gov/Phoenix

A vigorous upper level low pressure system will drop southeastward out of the Pacific Northwest and move into northern Arizona on Friday and as it moves into the area strong and gusty northwest winds will develop. The strongest winds will focus over southeast California, along the lower Colorado River valley and over the southwest Arizona deserts. Winds from 25 to 40 mph will develop during the morning hours and by afternoon peak gusts could approach 50 mph. Areas of dense blowing dust will likely accompany the stronger winds, and visibilities could lower to 1 mile or lower at times, becoming a significant hazard to motorists. Much cooler high temperatures will also accompany this low pressure system, with readings expected to fall into the mid 70s to around 80 over the lower deserts.

Fig A-9: A Weather Story issued on April 14, 2016 by the NWS Phoenix office forecasted that gusty winds would generate dense blowing dust across southeastern California. Source: NWS Phoenix office

FIGURE A-10
GUSTY WINDS FORECASTED FOR APRIL 14, 2016

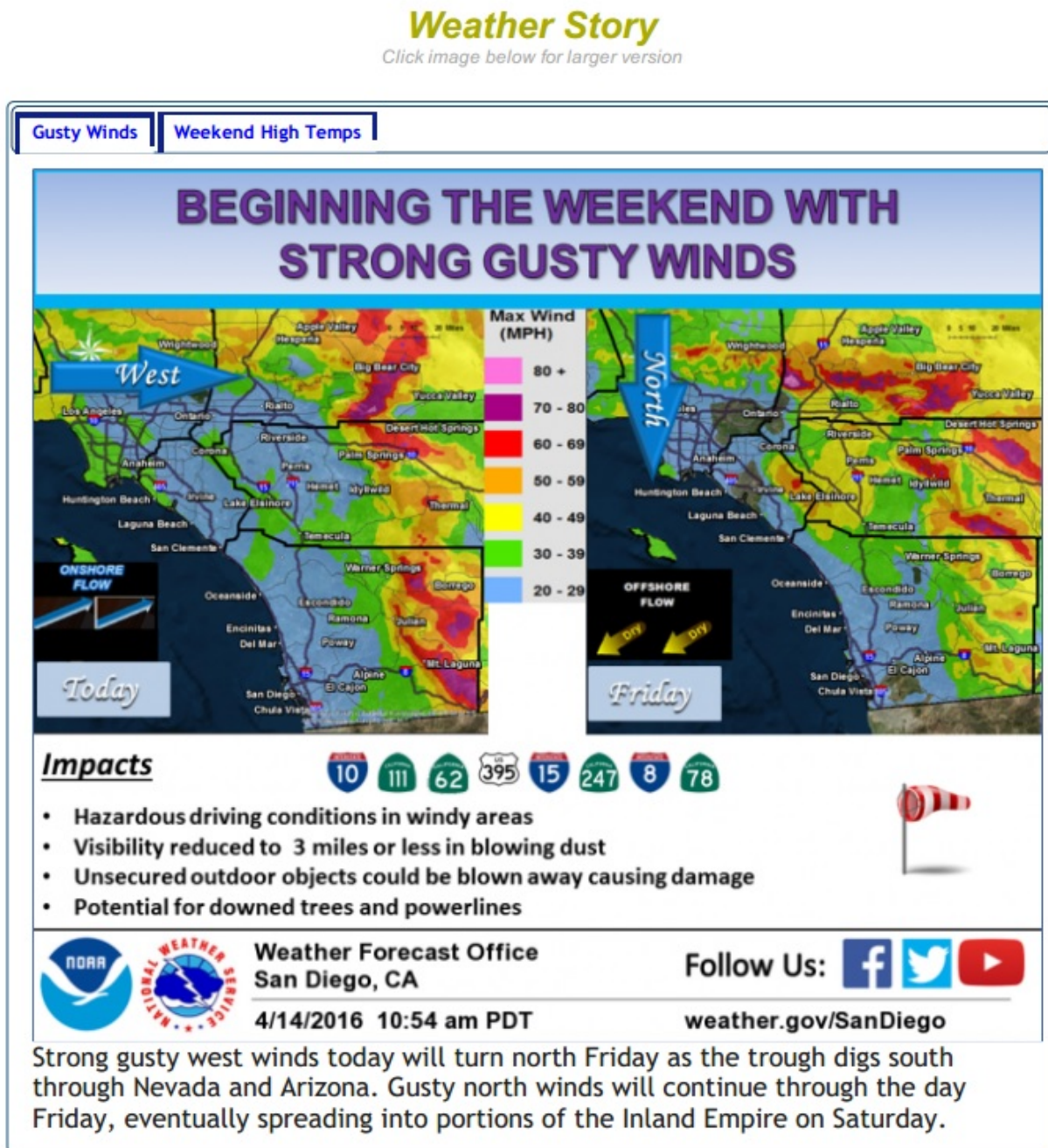


Fig A-10: A Weather Story issued on April 14, 2016 by the NWS San Diego office forecasted gusty winds over a wide area. Source: NWS San Diego office

FIGURE A-11
GUSTY WINDS FORECASTED FOR SOUTHERN CALIFORNIA AND SOUTHWESTERN ARIZONA

Weather Story

Click image below for larger version



Fig A-11: A Weather Story issued on April 14, 2016 by the NWS Phoenix office forecasted gusty winds across southern California and into southwestern Arizona. The Colorado River Valley was expected to receive the strongest winds. Source: NWS Phoenix office

FIGURE A-12
DUST IDENTIFIED OVER SOUTHEASTERN CALIFORNIA

Thursday, April 14, 2016

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0230Z April 15, 2016

SMOKE:

Central to North Central US and Great Lakes region:

A portion of the leftover thin density smoke seen earlier this morning due to yesterday's seasonal burning over the Central US was still visible stretching from Minnesota to Michigan. Cloudiness in this region did interfere with additional information on the extent of this smoke late this afternoon and evening. Once again, another significant flare up of seasonal fires occurred especially over eastern and southeastern Kansas and far northeastern Oklahoma resulting in numerous smoke plumes of varying density which congealed into a larger mass of smoke which moved to the north covering much of eastern Kansas and southeastern Nebraska.

Bay of Campeche/Gulf of Mexico:

Seasonal burning over Mexico and Central America was responsible for a large area of mainly thin density smoke spread over the Bay of Campeche and the southern and central Gulf of Mexico. Patches of more dense smoke were confined to the southern Bay of Campeche and inland over southeastern Mexico and Central America. Cloudiness over the Gulf of Mexico though did interfere with additional information on the extent of the smoke.

DUST:

Southwestern US:

Strong gusty winds were noted in surface observations over a rather broad region including central and southern California and portions of central and southern Nevada. While these winds were likely kicking up areas of blowing dust, not much in the way of dust could be seen in satellite imagery due to cloudiness passing over the region. However, occasional observations of blowing dust were noted over southern California and a possible patch of blowing dust was visible over far southern California near the Salton Sea just prior to sunset.

JS

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE..TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>

GIS: <http://www.firedetect.noaa.gov/viewer.htm>

KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>

ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Fig A-12: A copy of NOAA's Satellite Services Division Smoke Text Product identified dust drifting over portions of southeastern California in the vicinity of the Salton Sea. The notice was effective through 1830 PST, which was around the period when monitors were measuring high hourly concentrations. Source:
<http://www.ssd.noaa.gov/PS/FIRE/smoke.html>

FIGURE A-13
DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Thursday, April 14, 2016

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	61	SW 5	10
8 AM	67	S 3	10
9 AM	72	CALM	10
10 AM	77	WSW 3	10
11 AM	80	CALM	10
NOON	83	SSW 6	10
1 PM	86	SSW 8	10
2 PM	87	CALM	10
3 PM	89	CALM	10
4 PM	90	SW 5	10
5 PM	89	VRBL 3	10
6 PM	88	ESE 13	10
7 PM	86	SE 12	10

Max. Temperature yesterday was 91 degrees

Today's Mt. Signal Visibility at 7:30 AM Clear NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 83 to 88

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	<u>12:00 pm</u>	<u>10:00 am</u>
Forecast of Maximum Mixing Height	<u>>5,000</u> feet	<u>9,678</u> feet
Forecast for Morning surface winds	<u>W 5-10</u> mph	<u>WNW 5-10</u> mph
Forecast for afternoon surface winds	<u>W 15-25/G 30</u> mph	<u>WNW 15-20</u> mph
Forecast for evening surface winds	<u>W 15-25/G 35</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>WNW 10-15</u> mph	

Comments/Complaints: Windy today in Imperial County. NO BURN!!!

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day XX

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int CM

Fig A-13: Is a copy of the Imperial County Air Pollution Control District official record declaring April 14, 2016 a No Burn Day due to the high winds. Source: ICAPCD archives

**FIGURE A-14
AIR QUALITY INDEX**

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig A-14: At 10pm air quality in Westmorland changed to Orange or Unhealthy for Sensitive Groups level. The Air Quality Index (AQI) is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source:

<https://airnow.gov/index.cfm?action=aqibasics.aqi>

FIGURE A-15
IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

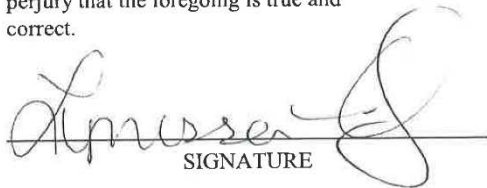
Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

01/10.

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.


 SIGNATURE

Name of Account: I C AIR POLLUTION
 CONTROL
 Order Number: 11136200
 Ad Number: 31356303

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 10 th day of January, 2018.
 at El Centro, California.

This space is for the County Clerk's
 Filing Stamp:

**NOTICE OF AVAILABILITY
 OF THE DEMONSTRATION OF THE OCCURRENCE
 OF 13 EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared 13 Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) represent the 13 Draft EE's.

2014	2016	2016
April 12-13 Niland Brawley	March 6 Brawley Westmorland	April 22 Westmorland Brawley
FEM 167.5 ug/m ³ FEM 166.8 ug/m ³	FEM 237 ug/m ³ FEM 220 ug/m ³	FEM 192 ug/m ³ FEM 242 ug/m ³
April 25-26 Brawley Brawley	March 11 Brawley Westmorland	April 24-25 Brawley Brawley Westmorland Brawley Calexico Niland Westmorland
FEM 183.4 ug/m ³ FEM 313.3 ug/m ³	FEM 178 ug/m ³ FEM 179 ug/m ³	FEM 186 ug/m ³ FEM 218 ug/m ³ FEM 177 ug/m ³ FEM 285 ug/m ³ FEM 173 ug/m ³ FEM 225 ug/m ³ FEM 244 ug/m ³
May 5-6 Brawley Brawley Westmorland Brawley	March 28 Brawley El Centro Niland Westmorland	May 5 Brawley Niland Westmorland
FRM 269 ug/m ³ FEM 222.5 ug/m ³ FEM 373 ug/m ³ FEM 439.3 ug/m ³	FEM 334 ug/m ³ FEM 385 ug/m ³ FEM 334 ug/m ³ FEM 465 ug/m ³	FEM 163 ug/m ³ FEM 172 ug/m ³ FEM 227 ug/m ³
May 11 Niland	April 14 Niland Westmorland Brawley	May 15 Niland
FEM 172.8 ug/m ³	FEM 172.8 ug/m ³ FEM 163 ug/m ³ FEM 228 ug/m ³	FEM 216 ug/m ³
June 30 Niland		
FEM 183.7 ug/m ³		

The public and all interested parties are encouraged to review and comment on the 13 Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014, 2015 and 2016 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting Riverside, Imperial and San Diego counties. The 13 Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is February 12, 2018 by close of business.

The 13 Draft EE's for days listed above are available for download at the Air District website: www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the 13 Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L673 J10

Fig A-15: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for April 14, 2016. The date for closing comments was February 12, 2018

FIGURE A-20
IMPERIAL COUNTY COMMENTS
REGARDING THE APRIL 14, 2016 EE DEMONSTRATIONS

The ICAPCD received no comment